

10/25/01  
U.S. PTO

12-05-01

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. TI-27987

First Inventor Ruben P. Madrid

Title METHOD AND SYSTEM FOR MANUFACTURING BALL GRID  
ARRAY ("BGA") PACKAGES

Express Mail Label No. EL645509086US

C997 U.S. PTO  
10/25/01**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:**  
Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- |   |  |  |
|---|--|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br>(Submit an original, and a duplicate for fee processing)   | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or<br>Computer Program (Appendix)   |  |
| 2. <input type="checkbox"/> Applicant claims small entity status.<br>See 37 CFR 1.27.   | 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission<br>(if applicable, all necessary)                                   |  |
| 3. <input checked="" type="checkbox"/> Specification<br>(preferred arrangement set forth below) <ul style="list-style-type: none"> <li>- Descriptive title of the Invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> | 15 [ Total Pages ]   | 1. <input type="checkbox"/> Computer Readable Form (CRF)   |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113)   | 3 [ Total Sheets ]   | 2. <input type="checkbox"/> Specification Sequence Listing on: <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> paper</li> </ul> |
| 5. Oath or Declaration  | 2 [ Total Pages ]  | 3. <input type="checkbox"/> Statements verifying identity of above copies  |
| a. <input checked="" type="checkbox"/> Newly Executed (original or copy)  | 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & documents(s))  |  |
| b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br>(for continuation/divisional with Box 18 completed)   | 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement<br>(when there is an assignee)   | <input checked="" type="checkbox"/> Power of Attorney  |
| i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).   | 11. <input type="checkbox"/> English Translation Document (if applicable)  |  |
| 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76   | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449   | <input type="checkbox"/> Copies of IDS Citations   |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:   | 13. <input checked="" type="checkbox"/> Preliminary Amendment  |  |
| <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)   | 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br>(Should be specifically itemized)                                  |  |
| Prior application information:<br>Examiner _____  | 15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br>(if foreign priority is claimed)  |  |
| For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  | 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. |  |
|   | 17. <input type="checkbox"/> Other: _____  |  |

**ACCOMPANYING APPLICATION PARTS**

- |  |   |   |
|--|---|---|
| 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & documents(s))  | 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement<br>(when there is an assignee)                            | <input checked="" type="checkbox"/> Power of Attorney   |
| 11. <input type="checkbox"/> English Translation Document (if applicable)  | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449                                    | <input type="checkbox"/> Copies of IDS Citations  |
| 13. <input checked="" type="checkbox"/> Preliminary Amendment  | 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br>(Should be specifically itemized) | 15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br>(if foreign priority is claimed) |
| 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. | 17. <input type="checkbox"/> Other: _____   |   |

19. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label **23494**  Correspondence address below  
(Insert Customer No. or Attach bar code label here)

NAME	Texas Instruments Incorporated		
ADDRESS			
CITY	STATE	TX	ZIP CODE
COUNTRY	TELEPHONE	(972) 271-1176	FAX (972)917-4418

Name (Print/Type)	Jacqueline J. Garner	Registration No. (Attorney/Agent)	Reg. No. 36,144
Signature			Date 10/25/01

Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

# FEE TRANSMITTAL for FY 2001

TOTAL AMOUNT OF PAYMENT (\$ 740.00)

Complete If Known	
Application Number	TBD
Filing Date	10/25/01
First Named Inventor	Ruben P. Madrid
Examiner Name	TBD
Group Art Unit	TBD
Attorney Docket No.	TI-27987

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number	20-0668
Deposit Account Name	Texas Instruments Incorporated

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101	710	201	355 Utility filing fee
106	320	206	180 Design filing fee
107	490	207	245 Plant filing fee
108	710	208	355 Reissue filing fee
114	150	214	75 Provisional filing fee
SUBTOTAL (1)			(\$740)

## 2. EXTRA CLAIM FEES

Extra Claims		Fee from below	Fee Paid
Total Claims	20	-20** =	0
Independent Claims	3	-3** =	0
		X	18
			=
		X	84
			=
		0	0
		=	=
Multiple Dependent			0
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	
103	18	203	9 Claims in excess of 20
102	80	202	40 Independent claims in excess of 3
104	270	204	135 Multiple dependent claim, if not paid
109	80	209	40 **Reissue independent claims over original patent
110	18	210	9 **Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)			(\$ 0)

\*or number previously paid, if greater; For Reissue, see above

## FEE CALCULATION (continued)

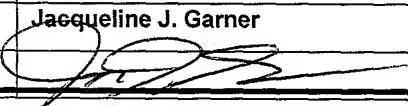
## 3. ADDITIONAL FEES

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee of oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
144	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	130	123	130	Petitions related to provisional applications	
126	180	126	180	Submission of information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination or a design application	
Other fee (specify)					

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

## SUBMITTED BY

Name (Print/Type)	Complete (if applicable)		
Jacqueline J. Garner	Registration No. (Attorney/Agent)	36,144	Telephone (972) 271-1176
	Date	10/25/01	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burdens Hour Statement: This form is estimated to take 0 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231